

WHAT IS CLAIMED IS:

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1. A data recording/reproduction apparatus comprising:

a spindle motor which is held by a base body and rotates an optical disk;

10 an optical pickup which projects a laser beam into a spot on the optical disk for data recording/reproduction;

first and second support mechanisms provided on the base body; and

15 a seek mechanism which is held by said first and second support mechanisms so as to be freely tilted with respect to the base body and actuates said optical pickup in radial directions of the optical disk,

20 wherein said first support mechanism is vertically movable in directions of a thickness of the optical disk so that a tilt of said optical pickup with respect to the optical disk is adjusted.

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2. The data recording/reproduction apparatus as claimed in claim 1, wherein an objective lens of said optical pickup is provided closer to said second support mechanism in the radial direction  
5 of the optical disk than to said first support mechanism.

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3. A data recording/reproduction apparatus comprising:

a spindle motor which is held by a base body and rotates an optical disk;

15 an optical pickup which projects a laser beam into a spot on the optical disk for data recording/reproduction;

first and second support mechanisms which are provided on the base body and are vertically  
20 movable in directions of a thickness of the optical disk; and

a seek mechanism which is held by said first and second support mechanisms so as to be freely tilted with respect to the base body and actuates  
25 said optical pickup in radial directions of the

optical disk,

wherein:

said first support mechanism is vertically  
movable so that a tilt of said optical pickup with  
5 respect to the optical disk is adjusted; and

said first and second support mechanisms are  
vertically movable so that a height of said optical  
pickup with respect to the optical disk is adjusted.

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4. The recording/reproduction apparatus as  
claimed in claim 1, further comprising:

15 a male screw portion provided in a pedestal  
included in said first support mechanism; and

a female screw portion formed in the base  
body,

wherein:

20 said male screw portion engages with said  
female screw portion so as to be vertically movable;  
and

said male screw portion is turned so that  
the pedestal is vertically movable in the directions  
25 of the thickness of the optical disk.

5. The recording/reproduction apparatus as claimed in claim 2, further comprising:

a male screw portion provided in a pedestal included in said first support mechanism; and

5 a female screw portion formed in the base body,

wherein:

said male screw portion engages with said female screw portion so as to be vertically movable;

10 and

said male screw portion is turned so that the pedestal is vertically movable in the directions of the thickness of the optical disk.

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6. The recording/reproduction apparatus as claimed in claim 3, further comprising:

20 male screw portions provided in pedestals included in said respective first and second support mechanisms; and

female screw portions formed in the base body,

25 wherein:

said male screw portions engage with said corresponding female screw portions so as to be vertically movable; and

said male screw portions are turned so that  
5 the pedestals is vertically movable in the directions of the thickness of the optical disk.

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7. The recording/reproduction apparatus as claimed in claim 1, further comprising:

a male screw portion provided in a pedestal included in said first support mechanism;

15 a cylinder portion provided in the pedestal included in said first support mechanism;

a female screw portion which is formed in the base body; and

an opening portion formed in the base body,  
20 wherein:

said male screw portion engages with said female portion; and

said cylinder portion fits into said opening portion.

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8. The recording/reproduction apparatus as claimed in claim 2, further comprising:

a male screw portion provided in a pedestal included in said first support mechanism;

5 a cylinder portion provided in the pedestal included in said first support mechanism;

a female screw portion which is formed in the base body; and

10 an opening portion formed in the base body, wherein:

said male screw portion engages with said female portion; and

said cylinder portion fits into said opening portion.

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9. The recording/reproduction apparatus as claimed in claim 3, further comprising:

male screw portions provided in pedestals included in said respective first and second support mechanisms;

25 cylinder portions provided in the pedestals included in said respective first and second support

mechanisms;

female screw portions formed in the base  
body; and

opening portions formed in the base body,

5 wherein:

said male screw portions engage with said  
corresponding female portions; and

said cylinder portions fit into said  
corresponding opening portions.

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10. The recording/reproduction apparatus as  
15 claimed in claim 4, further comprising an elastic  
member interposed between the base body and the  
pedestal.

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11. The recording/reproduction apparatus as  
claimed in claim 5, further comprising an elastic  
member interposed between the base body and the  
25 pedestal.

12. The recording/reproduction apparatus as claimed in claim 6, further comprising elastic members interposed between the base body and the respective pedestals.

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13. The recording/reproduction apparatus as claimed in claim 7, further comprising an elastic member interposed between the base body and the pedestal.

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14. The recording/reproduction apparatus as claimed in claim 8, further comprising an elastic member interposed between the base body and the pedestal.

25 15. The recording/reproduction apparatus as



claimed in claim 9, further comprising elastic members interposed between the base body and the respective pedestals.